

Sequence Listing

Name	Sequence
00	00U tcgaggatatccgggcttcgggtgaccgggatcttaaga
	00L agcttcttaagatccccggtcacccgaagcccggatatcc
01	01U tcgaggatatcccttggcgggtgaggcggcgatcttaaga
	01L agcttcttaagatcgccgcctcaccgccaagggatatcc
02	02U tcgaggatatctgtgggctacggggccgcgatcttaaga
	02L agcttcttaagatcgcgggccccgtagcccacagatatcc
03	03U tcgaggatatctaggtggctgcgcggggcgatcttaaga
	03L agcttcttaagatcgccccgcgcagccacctagatatcc
S0	S0U ttaagcgaagtggcctggcggggcgctagcg
	S0L aattcgctagcgcccgccaggccacttcgc
S1	S1U ttaagaacccgagccccggacgggctagcg
	S1L aattcgctagcccgctccggggctcgggttc
S2	S2U ttaagcgcaccaggcagagcgcggttagcg
	S2L aattcgctagccgcgctctgcctggtgcgc
S3	S3U ttaagtcctcgtggtcggggcggttagcg
	S3L aattcgctagcgccgccccgaccacgaggac
E0	E0U gatcccatggaatcccttggcgggtgaggcggcgatatct
	E0L ctagagatatcgccgcctcaccgccaagggattccatggg
E1	E1U gatcccatggaatctgtgggctacggggccgcgatatct
	E1L ctagagatatcgcgccccgtagcccacagattccatggg
E2	E2U gatcccatggaatctaggtggctgcgcggggcgatatct
	E2L ctagagatatcgccccgcgcagccacctagattccatggg
E3	E3U gatcccatggaatccgcaagccccaaggccccgatatct
	E3L ctagagatatcggggccttggggcttgcggttccatggg
X0	X0U ctagcgtagccctgtagtttgagc
	X0L catggctccaaactacagggcatacg
X1	X1U ctagcgtaaagccaactgtaccctgc
	X1L catggcaggggtacagttggctttacg
X2	X2U ctagcgagactaaggttgttggtcgc
	X2L catggcgaccaacaaccttagtctcg
X3	X3U ctagcgttccttcaagtcactcgtcc
	X3L catgggacgagtgacttgaaggaaacg
X4	X4U ctagccctgcccacagtagaataagc
	X4L catggcttattctactgtgggcaggg
X5	X5U ctagcgaatcaagactcgtgctaccc
	X5L catggggtagcacgagtccttgattcg
X6	X6U ctagcgatgacagttagacgcttccc
	X6L catggggaagcgtctaactgtcatcg
X7	X7U ctagcctcctgaacctaaagtcacgc
	X7L catggcgatgacttaggttcaggagg
X8	X8U ctagcccaaagttacagacctcagcc
	X8L catgggctgaggtctgtaactttggg

X9	X9U	ctagcgacctatgcaatctactcgcc
	X9L	catgggcgagtagattgcataggtcg
X10	X10U	ctagccagtagtaatcttccgcaggc
	X10L	catggcctgcggaagattactactgg
X11	X11U	ctagcctgttggtgggtactcctaac
	X11L	catggttaggagtaccaccaacagg
X12	X12U	ctagcaacgaggtggtacgacatagc
	X12L	catggctatgtcgtaccacctcgttg
X13	X13U	ctagccgcagtcattatagagagccc
	X13L	catggggctctctataatgactgcg
X14	X14U	ctagcgtacttgccctccagcatac
	X14L	catggtatgctggagggacaagtacg
X15	X15U	ctagcatcctgtgtgcctaagtacgc
	X15L	catggcgacttaggcacacaggatg
X16	X16U	ctagcgaggcacttgacgtatgactc
	X16L	catggagtcatacgtcaagtgcctcg
X17	X17U	ctagcgggatacctttctaagcgacc
	X17L	catgggtcgcttagaaaggatatcccg
X18	X18U	ctagcggataggtcgcagtcctgtac
	X18L	catggtacaagactgcgacctatccg
X19	X19U	ctagcgtacagtgcgaagagggtaac
	X19L	catggttaccctcttcgcactgtacg
X20	X20U	ctagcgcctccgacacagttactaac
	X20L	catggttagtaactgtgtcggaggcg
X21	X21U	ctagcgtgggtctggaacactattgc
	X21L	catggcaatagtgttccagaccacg
X22	X22U	ctagcaactcctcactgttcactgcc
	X22L	catgggcagtgaaacagtgaggagttg
X23	X23U	ctagccgtatggtatatcgtcagccc
	X23L	catggggctgacgatataccatacgg
X24	X24U	ctagcgcacagaccaaggacattacc
	X24L	catgggtaatgtccttggtctgtgcg
X25	X25U	ctagcctcccactaaacggtcctatc
	X25L	catggataggaccgtttagtgggagg
X26	X26U	ctagccacggaccgagtatctattgc
	X26L	catggcaatagatactcgggtccgtgg
X27	X27U	ctagcgtctgatgagcgcagttagtc
	X27L	catggactaactgcgctcatcagacg
X28	X28U	ctagcgagaatgcggtgatagtgacc
	X28L	catgggtcactatcaccgcattctcg
X29	X29U	ctagcctacactaaccgacggaatgc
	X29L	catggcattccgtcggttagtgtagg
X30	X30U	ctagcaagtccttggtacgagtcgcc
	X30L	catgggggactcgtaacaaggacttg

X31	X31U	ctagcacctgaagttacgggaagtcc
	X31L	catgggacttcccgttaacttcagggtg
X32	X32U	ctagcaacaggttccttacagagggc
	X32L	catggccctctgtaaggaacctgttg
X33	X33U	ctagcacgtagccaagacttatcccc
	X33L	catgggggataagtcttggctacgtg
X34	X34U	ctagccagtcagggtctattgttgccc
	X34L	catgggggcaacaatagacctgactgg
X35	X35U	ctagcgagaaccatattgcccctacc
	X35L	catgggtaggggcaatatggttctcg
X36	X36U	ctagccataaagaggagactgggctc
	X36L	catggagcccagtcctccttttatgg
X37	X37U	ctagccatagtctgcgaataactgccc
	X37L	catggggcagttatcgagactatgg
X38	X38U	ctagcgttagggcagccttaggtaac
	X38L	catggttacctaaggctgccctaacg
X39	X39U	ctagcatagatgtgacagtgggacgc
	X39L	catggcgtcccactgtcacatctatg
X40	X40U	ctagcgattagagttgtagggcgctc
	X40L	catggagcgccctacaactctaatacg
X41	X41U	ctagctggaagtacgtgtgggtagc
	X41L	catggetatcccacacgtacttccag
X42	X42U	ctagctgagatagtcgtggatgggtcc
	X42L	catgggaccatccacgactatctcag
X43	X43U	ctagcacgacctgttacggttacctc
	X43L	catggaggtaacggtaacaggctcgtg
X44	X44U	ctagccattgctggaactgctactcc
	X44L	catgggagtagcagttccagcaatgg
X45	X45U	ctagcgtacccccacccacataaagtc
	X45L	catggactttatgtgggtggggtacg
X46	X46U	ctagcagtgtaggaatacccggtgctc
	X46L	catggagcacgggtattcctacactg
X47	X47U	ctagccgttcgctatgttctacagcc
	X47L	catgggctgtagaacatagcgaacgg
X48	X48U	ctagccccctgtcccatatactactc
	X48L	catggagtaatgtatggggacagggg
X49	X49U	ctagcatgtaggcaactgtcgtcacc
	X49L	catgggtgacgacagttgcctacatg
X50	X50U	ctagcgtatgttcccagcgagtacac
	X50L	catggtgtactcgctgggaacatacg
X51	X51U	ctagcgtgtaataccacgggtgttgc
	X51L	catggcaacaccggtggtattacacg
X52	X52U	ctagctgtagtggtctttacgtggcc
	X52L	catggggccacgtaaagaccactacag

X53	X53U	ctagcgtcaggtgctcatccagttac
	X53L	catggtaactggatgagcacctgacg
X54	X54U	ctagcctccacaaacatacccacacc
	X54L	catgggtgtgggtatgtttgtggagg
X55	X55U	ctagctgaggtgtcaatgagagaggc
	X55L	catggcctctctcattgacacctcag
X56	X56U	ctagctcactcctctacgatgaacgc
	X56L	catggcgttcatcgtagaggagtgag
X57	X57U	ctagctcgtactgagatgttcctgcc
	X57L	catgggcaggaacatctcagtacgag
X58	X58U	ctagctgactctggacttatgacgcc
	X58L	catgggcgtcataagtccagagtcag
X59	X59U	ctagcagattacggagtgtgttcccc
	X59L	catgggggaacacactccgtaatctg
X60	X60U	ctagccttaccactgttgacagaggac
	X60L	catggtcctctgcaacagtggttaagg
X61	X61U	ctagcccgttatccgtactggaagtc
	X61L	catggacttccagtacggataacggg
X62	X62U	ctagcgtttgggtatcggtgtactc
	X62L	catggagtacagccgatacccaaacg
X63	X63U	ctagcgaggatgaacacaaggaggtc
	X63L	catggacctccttgtgttcacctcgc
X64	X64U	ctagccatagcggatagggttacgtc
	X64L	catggacgtaaccctatccgctatgg
X65	X65U	ctagctctcatatccctaacctggcc
	X65L	catgggccaggttagggatatgagag
X66	X66U	ctagcgggtattgtctcgtcatgcacc
	X66L	catgggtgcatgacgagacaataaccg
X67	X67U	ctagcatcacctacctgagattgccc
	X67L	catggggcaatctcaggtaggtgatg
X68	X68U	ctagcgactggggtctgttgtttctc
	X68L	catggagaaacaacagaccccagtcg
X69	X69U	ctagcaggggtcggagttagagaatc
	X69L	catggattctctaactccgacctctg
X70	X70U	ctagcaccgaaggatgttgagtctcc
	X70L	catgggagactcaacatccttcggtg
X71	X71U	ctagcggtgatgactcggaacttctc
	X71L	catggagaagttccgagtcacaccg
X72	X72U	ctagcgggtacacaaatggaagggtcc
	X72L	catgggaccttccatttgtgtaccgg
X73	X73U	ctagcatcatctcgggtctacttcgc
	X73L	catggcgaagtagacccgagatgatg
X74	X74U	ctagcaatcagtagacatcgccctcc
	X74L	catgggagggcgatgtctactgattg

X75	X75U	ctagccacggaagtctattcacacgc
	X75L	catggcgtgtgaatagacttccgtgg
X76	X76U	ctagcaggggctgttacatgaagagc
	X76L	catggctcttcatgtaacagcccctg
X77	X77U	ctagccgtgacctgctgtgatttacc
	X77L	catgggtaaatcacagcaggtcacgg
X78	X78U	ctagcatagtcttagtccggcatcgc
	X78L	catggcgatgccggactaagactatg
X79	X79U	ctagcatcactacctgcctattcgcc
	X79L	catgggcgaataggcaggtagtgtg
X80	X80U	ctagcttaccttgtctaaccctcgcc
	X80L	catgggcgagggtagacaaggtaag
X81	X81U	ctagctcttaatccctctggctgacc
	X81L	catgggtcagccagagggattaagag
X82	X82U	ctagcagaccatccgagtaccatac
	X82L	catgggtatggtagtccgatgggtctg
X83	X83U	ctagcagactgaaccctcaagatgcc
	X83L	catgggcacatcttgagggttcagtctg
X84	X84U	ctagcaggcattctgatactcctcgc
	X84L	catggcgaggagtatcagaatgcctg
X85	X85U	ctagcctgcaagagtcatatcacggc
	X85L	catggccgtgatatgactcttgagg
X86	X86U	ctagcgtgggatttcgtctataccgc
	X86L	catggcggtatagacgaaatcccacg
X87	X87U	ctagccagaccgcctcctaattctac
	X87L	catggtaagattaggaggcggtctgg
X88	X88U	ctagcatctccttgcttgtagctcgc
	X88L	catggcgagggtacaagcaaggagatg
X89	X89U	ctagctgtgcggctatgtagtcctac
	X89L	catggtaggactacatagccgcacag
X90	X90U	ctagcagtgctcctaagcaaagacggc
	X90L	catggccgtctttgcttaggacactg
X91	X91U	ctagcttcccttctaccctgtaccac
	X91L	catggtggtacagggtagaagggaag
X92	X92U	ctagcaagggtgtccagtggtcagatc
	X92L	catggatctgaccactggacaccttg
X93	X93U	ctagcatcagcatagggaccacactc
	X93L	catggagtgtggccctatgctgatg
X94	X94U	ctagcggacggccaactatcataagc
	X94L	catggcttatgatagttggccgtccg
X95	X95U	ctagctgaacctctgtgctgtaggac
	X95L	catggtcctacagcacagaggttcag
X96	X96U	ctagctgacttcacctggctgtctac
	X96L	catggtagacagccaggtgaagtcag

X97	X97U	ctagctcctaactctattgccgagcc
	X97L	catgggctcggcaatagagttaggag
X98	X98U	ctagccttatcctacgcgagcagatc
	X98L	catggatctgctcgcgtaggataagg
X99	X99U	ctagccgcataagcacatctgtagcc
	X99L	catgggctacagatgtgcttatgcgg
X100	X100U	ctagcaacgtagagaacgaagccagc
	X100L	catggctggcttcgttctctacgttg
X101	X101U	ctagctcacggagtcctgatgtatgc
	X101L	catggcatacatcaggactccgtgag
X102	X102U	ctagcatgtatcccgttggtgtaggc
	X102L	catggcctacaccaacgggatacatg
X103	X103U	ctagcgcctgactattttgacgggcc
	X103L	catgggaccgtcaaaatagtcaggcg
X104	X104U	ctagcgatagcacttcaaacgtcccc
	X104L	catgggggacgtttgaagtgcctatcg
X105	X105U	ctagcgaagtgcattcttaccgtccc
	X105L	catggggacggtaagaatgcacttcg
X106	X106U	ctagcccttgctgcttctaaactgggc
	X106L	catggcccagtttagaacgacaaggg
X107	X107U	ctagcgtttaaggagtgttcgtccgc
	X107L	catggcggacgaacactccttaaacg
X108	X108U	ctagccagagttaaagttgccccacc
	X108L	catgggtggggcaactttaactctgg
X109	X109U	ctagcgtcagaatcaatctcctggcc
	X109L	catgggccaggagattgattctgacg
X110	X110U	ctagcgtgcttgacctgaatccttcc
	X110L	catgggaaggattcagggtcaagcacg
X111	X111U	ctagcaccacccttcttcaccctatc
	X111L	catggataggggtgaagaagggtggtg
X112	X112U	ctagccagaaagggcagtcctaatgc
	X112L	catggcattaggactgccctttctgg
X113	X113U	ctagcaaccactatcgtagatccgc
	X113L	catggcggatgtacgatagtgggttg
X114	X114U	ctagcgaatacttgggagttgcgagc
	X114L	catggctcgcaactcccaagtattcg
X115	X115U	ctagcggcaataagttcaggctgtcc
	X115L	catgggacagcctgaacttattgccg
X116	X116U	ctagcaagggagcagacagtcatgtc
	X116L	catggacatgactgtctgctcccttg
X117	X117U	ctagccataacacacgggacaacacc
	X117L	catgggtgttggtcccggtgttatgg
X118	X118U	ctagccagaaacgaaggtcctaacgc
	X118L	catggcgtaggaccttcgtttctgg

X119	X119U	ctagcgtgccaaagccttaatagtgcc
	X119L	catgggcactattaaggcttggcacg
X120	X120U	ctagccggatgaggatgtatcaggtc
	X120L	catggacctgatacatcctcatccgg
X121	X121U	ctagccgtggcgttaaactcttaggc
	X121L	catggcctaagagtttaacgccacgg
X122	X122U	ctagcctgctcttgatggataaggcc
	X122L	catgggccttatccatcaagagcagg
X123	X123U	ctagcatcagagtggagagcacgac
	X123L	catggatcgtgctctccactctgatg
X124	X124U	ctagcgcacaggaaatagaagtcgcc
	X124L	catgggcgacttctatttcctgtgcg
X125	X125U	ctagcccacccgactacagaacaatc
	X125L	catggattgttctgtagtcgggtggg
X126	X126U	ctagccgagattaccagttgtggtc
	X126L	catggaccacaactgggtaatctcgg
X127	X127U	ctagccgagttaatagacgcggaagc
	X127L	catggcttcgcgctctattaactcgg
X128	X128U	ctagccgctgcggtttctctattacc
	X128L	catgggtaatagagaaaccgcagcgg
X129	X129U	ctagctcagccgtaggtcttcaactc
	X129L	catggagttgaagacctacggctgag
X130	X130U	ctagcttagtggagcctcttcacgtc
	X130L	catggacgtgaagaggctccactaag
X131	X131U	ctagccagagtgtcggccttttaagc
	X131L	catggcttaaaaggccgacactctgg
X132	X132U	ctagcctaaaacttgactcgcggacc
	X132L	catgggtccgcgagtcaggttttagg
X133	X133U	ctagcccgtctggtcggataagatac
	X133L	catggtatcttatccgaccagacggg
X134	X134U	ctagcagattgggtcacaactccaggc
	X134L	catggcctggagttgtgaccaatctg
X135	X135U	ctagcaccagaaggttggaagaaggtc
	X135L	catggaccttctccaaccttctggtg
X136	X136U	ctagccacatcttacaccgtcatcgc
	X136L	catggcgatgacgggtgtaagatgtgg
X137	X137U	ctagcgcgtcgggacttacaagatac
	X137L	catggtatcttgtaagtcccgcgcg
X138	X138U	ctagcaggatgggtgcaagcatactcc
	X138L	catgggagtatgcttgaccatcctg
X139	X139U	ctagcggacaaaactgctggttcctac
	X139L	catggtaggaaccagcagtttgtccg
X140	X140U	ctagcggttgcctcaaactggagtac
	X140L	catggtactccagtttgaggcaaccg

X141	X141U	ctagctttgtaagacaccccagagcc
	X141L	catgggctctggggtgtcttacaaag
X142	X142U	ctagccccctttggctgttagtgctac
	X142L	catggtagcactaacgaccaaagggg
X143	X143U	ctagcagagggctgagggatagaaac
	X143L	catggtttctatccctcagccctctg
X144	X144U	ctagcagttcgtacctttgacacgcc
	X144L	catgggctgtgtcaaaggtaggaactg
X145	X145U	ctagcgatttgtagtgataccacccc
	X145L	catgggggtggtatcactgcaaactg
X146	X146U	ctagcgagtgtagaatccggctgaac
	X146L	catggttcagccggattctacactcg
X147	X147U	ctagcgcaagtccgtgttcctcttac
	X147L	catggtaagaggaacacggacttgcg
X148	X148U	ctagcctttgtacgggtggtgaaaccc
	X148L	catgggggtttcaccaccgtacaaagg
X149	X149U	ctagcactttcatgtggagacgctcc
	X149L	catgggagcgtctccacatgaaagtg
X150	X150U	ctagcaacactaagcggatgtcagcc
	X150L	catgggctgacatccgcttagtggtg
X151	X151U	ctagcctaactcaactccgcaacgtc
	X151L	catggacgttgcgaggttgagttagg
X152	X152U	ctagcaagtagatggaaagggtgccc
	X152L	catggggcaccctttccatctacttg
X153	X153U	ctagcgaaatacagaggaacgagggtc
	X153L	catggaccctcgttcctcgtatttcg
X154	X154U	ctagcgaggctgctaagggaagaaagc
	X154L	catggctttttcccttagcagcctcg
X155	X155U	ctagcggacgttatttcacacctcgc
	X155L	catggcgaggtgtgaaataacgtccg
X156	X156U	ctagcgacacaagagcctaagccaac
	X156L	catggttggttaggctcttggtgctg
X157	X157U	ctagcgtgtttgtttaccctgccagc
	X157L	catggctggcagggtaaacaacacg
X158	X158U	ctagcactgcgtcctcacaagaagc
	X158L	catggcttctttgtgaggacgcagtg
X159	X159U	ctagcagtccccgaagtcaaatagcc
	X159L	catgggctatttgacttcggggactg
X160	X160U	ctagcgatacttcccaatgcagacgc
	X160L	catggcgtctgcattgggaagtatcg
X161	X161U	ctagcggaaactaatgtcatgctgcc
	X161L	catggggcagcatgacattagttccg
X162	X162U	ctagcgcgatggtgataacgtaagcc
	X162L	catgggcttacgttatcaccatcgcg

X163 X163U ctagcctcctgtacggcaaagtgtcc
X163L catgggaacatttgccgtacaggagg
X164 X164U ctagcctatttgaccgcacaagacc
X164L catgggtccttgtgcggtccaaatagg
X165 X165U ctagcatccttgtagcggacacgtac
X165L catggtacgtgtccgctacaaggatg
X166 X166U ctagcaagtgggaatagggtccgtac
X166L catggtacggaccctattcccacttg
X167 X167U ctagcgatagaaccgactgcaatgcc
X167L catgggcattgcagtcggttctatcg
X168 X168U ctagcgcgaatgaagtggactatgcc
X168L catgggcatagtccacttcattcgcg
X169 X169U ctagccgaacttttagcatccgtgacc
X169L catgggtcacggatgctaaagttcgg
X170 X170U ctagcgttagaaatgtctgcggtcgc
X170L catggcgaccgcagacatttctaacg
X171 X171U ctagcgcaccacacgaaagaatctcc
X171L catgggagattctttcgtgtggtgcg
X172 X172U ctagctcacactcttggtcggctatc
X172L catggatagccgaccaagagtgtgag
X173 X173U ctagctcactctggccgaactgtatc
X173L catggatacagttcggccagagtgag
X174 X174U ctagctggagaacggtcttgtctgtc
X174L catggacagacaagaccgttctccag
X175 X175U ctagcaggtatcgcgctccctaagtgc
X175L catggacattagggacgcgatacctg
X176 X176U ctagctggctcactacacgaacatgc
X176L catggcatgttcgtgtagttagccag
X177 X177U ctagcgtaccagtgaatcgggacac
X177L catggtgtcccgatttctactggtacg
X178 X178U ctagccgaagaacaacatcagagccc
X178L catggggctctgatgttggtcttcgg
X179 X179U ctagcgggtccaatcctaagcaagc
X179L catggcttgctttaggattggaccgg
X180 X180U ctagcttgagcagaagaactctcgcc
X180L catgggcgagagttcttctgctcaag
X181 X181U ctagcattgccgtggtgtaactacgc
X181L catggcgtagttacaccacggcaatg
X182 X182U ctagccgcatacgttctgtgcagtac
X182L catggtactgcacagaacgtatgcgg
X183 X183U ctagccagcgatatggtggtgctatc
X183L catggatagcaccaccatctcgctgg
X184 X184U ctagccgtaacacccagagattggac
X184L catggtccaatctctgggtgttacgg

X185 X185U ctagctccacgataactcacaagggc
X185L catggcccttgtgagttatcgtggag
X186 X186U ctagctcacttcctcgtcgtaatgc
X186L catggcattacgaccaggggaagtgc
X187 X187U ctagcgcgttggtcacctaatacggac
X187L catgggtccgtattaggtgacaacgcg
X188 X188U ctagcatgttacactcgcacccgacc
X188L catgggtcggatgcgagtgtaacatg
X189 X189U ctagcatgtagccagtgattgtgcc
X189L catggggcacaatcactggctacatg
X190 X190U ctagcaagatgcagagtcctaccgcac
X190L catgggtcggtagactctgcaccttg
X191 X191U ctagcagaccgctctatcacaagcac
X191L catgggtgcttgatagagcggctctg
X192 X192U ctagcagggaggtccagaatcttcac
X192L catgggtgaagattctggacctccctg
X193 X193U ctagcttagaccagcactgcgaagtc
X193L catggacttcgcagtgctgggtctaag
X194 X194U ctagcccgaggcgtgactatacaaac
X194L catggtttgtatagtcacgcctcggg
X195 X195U ctagcgacaacctacaaacgctccac
X195L catgggtggagcgtttgtaggttgctg
X196 X196U ctagccgtcattcgtcagaccagatc
X196L catggatctggtctgacgaatgacgg
X197 X197U ctagcagatgagtgacgatggttgcc
X197L catgggcaaccatcgtcactcatctg
X198 X198U ctagcaccacaccaggaaaagtcc
X198L catgggacttttcctggttggtgggtg
X199 X199U ctagctgaggcatctttggagtacgc
X199L catggcgtactccaaagatgcctcag
X200 X200U ctagctgtaatcggctctcaggcaagc
X200L catggcttgctgagaccgattacag
X201 X201U ctagcctacagtcggattggctcaac
X201L catggttgagccaatccgactgtagg
X202 X202U ctagccttcaaggacctcgtgcatac
X202L catggtatgcacgaggtccttgaagg
X203 X203U ctagcggcaggataaaagtgcgtgacac
X203L catgggtgtcagcactttatcctgccg
X204 X204U ctagcgcctggacggttaaaggttac
X204L catggtaacctttaaccgtccaggcg
X205 X205U ctagctgtccaagtaccaaagagcgc
X205L catggcgctctttggtacttgacag
X206 X206U ctagctgcacactgggtctaacacac
X206L catgggtgtgtagaccagtggtgcag

X207	X207U	ctagcaatctgtcgccctgcatagtgc
	X207L	catggcactatgcaggcgacagattg
X208	X208U	ctagcccccttcgctcttctttcatcc
	X208L	catgggatgaaagaagagcgaagggg
X209	X209U	ctagcaagatattctcccacgaccgc
	X209L	catggcggtcgtgggagaatatcttg
X210	X210U	ctagcggtttctgcactacagccaac
	X210L	catggttggctgtagtgcagaaaccg
X211	X211U	ctagcaaaggcatcggacatcctacc
	X211L	catgggtaggatgtccgatgcctttg
X212	X212U	ctagcacgaagtatgcgttgtagacc
	X212L	catgggctcacaacgcatacttcgtg
X213	X213U	ctagcggacatcggatttgataccc
	X213L	catggggatatccaaatccgatgtccg
X214	X214U	ctagccgggtacttttgcgactctgac
	X214L	catggtcagagtcgcaaaagtaccgg
X215	X215U	ctagcgttaccgctcaccgaaatctc
	X215L	catggagatttcgggtgagcggtaacg
X216	X216U	ctagcaagaagacgatgtgtgctcgc
	X216L	catggcgagcacacatcgtcttcttg
X217	X217U	ctagcggctattcattctcgccctac
	X217L	catggtagggcgagaatgaatagccg
X218	X218U	ctagcaagggaatgtcagttctgccc
	X218L	catggggcagaactgacattcccttg
X219	X219U	ctagcggcttgtaggcccgttaagac
	X219L	catggtcttaacggcctaacaagccg
X220	X220U	ctagcaaggatagagatgccgttgcc
	X220L	catgggcaacggcatctctatccctg
X221	X221U	ctagcagcccgacatgacagatacac
	X221L	catggtgtatctgtcatgtcgggctg
X222	X222U	ctagcttggagagactttgctgacgc
	X222L	catggcgtcagcaaagtctctccaag
X223	X223U	ctagctgcgtgtacgggcttatagac
	X223L	catggtctataagcccgtacacgcag
X224	X224U	ctagctcttattcgttagccgaggcc
	X224L	catgggcctcggctaacgaataagag
X225	X225U	ctagcagccgaacaggacaaaactcc
	X225L	catgggagttttgtcctgttcggctg
X226	X226U	ctagccatcattaacttcccctggcc
	X226L	catgggccagggaagttaatgatgg
X227	X227U	ctagcccgaactaaatgtcacagcgc
	X227L	catggcgctgtgacatttagttcggg
X228	X228U	ctagcgacgcaatcttaaccaacccc
	X228L	catgggggttggttaagattgcgtcg

X229	X229U	ctagctgtatgcacatcaccgagtg
	X229L	catggcactcggatgatgtgcatacag
X230	X230U	ctagccgtctcattctgggtcattgcc
	X230L	catgggcaatgaccagaatgagacgg
X231	X231U	ctagcaggttgggttcccctatcatc
	X231L	catggatgatagggaacccaacctg
X232	X232U	ctagccggttgcttatcaggaatccc
	X232L	catggggattcctgataagcaaccgg
X233	X233U	ctagcacggccagtaagtgtccaatc
	X233L	catggattggacacttactggccgtg
X234	X234U	ctagcacacctgggcgtgaataactc
	X234L	catggagttattcacgcccaggtgtg
X235	X235U	ctagccttgggctcctgctaaaagac
	X235L	catggtcttttagcaggagcccaagg
X236	X236U	ctagcgcgacctctaagccttgaaac
	X236L	catggtttcaaggcttagaggtcgcg
X237	X237U	ctagccaggtttgggggtacatgatc
	X237L	catggatcatgtacccccaaacctgg
X238	X238U	ctagctcgttgtctgccctcttgtag
	X238L	catggtacaagagggcagacaacgag
X239	X239U	ctagcagacctcggtaccacgaaac
	X239L	catggtttcgtgggtaccgaggtctg
X240	X240U	ctagcagtaaggctctttgggtgccac
	X240L	catggtggcacccaaagaccttactg
X241	X241U	ctagcagtagccttgtgggaaccaac
	X241L	catggttggttcccacaaggctactg
X242	X242U	ctagcgattaacctctcggaatgcg
	X242L	catggcgcatccgagaggttaatcg
X243	X243U	ctagcgcgatattgttccctgcttcc
	X243L	catgggaagcagggacaatatcgcg
X244	X244U	ctagccaaccgtgttagcgaccatac
	X244L	catggtatggtcgtaacacggttg
X245	X245U	ctagcgaatgggtggtggaaggatac
	X245L	catggtatccttccaccaccattcg
X246	X246U	ctagcaccaagtgcgtgtcaactgac
	X246L	catggtcagttgacagcgacttggtg
X247	X247U	ctagccattttcaggaaggagacggc
	X247L	catggcgtctccttccctgaaaatgg
X248	X248U	ctagctggttggactgatacgaacgc
	X248L	catggcggttcgtatcagtccaaccag
X249	X249U	ctagcattcacccaatggtctacggc
	X249L	catggccgtagaccattgggtgaatg
X250	X250U	ctagcggtggtaggcatatccgaaac
	X250L	catggtttcggatatgcctaccaccg

13

X251	X251U	ctagctgtctgtgaccttgggattgc
	X251L	catggcaatcccaaggcacagacag
X252	X252U	ctagccaagcctcaatgcctaaaggc
	X252L	catggccttttaggcattgaggcttgg
X253	X253U	ctagcacttcttacgtcaccgcgatc
	X253L	catggatcgcggtgacgtaagaagtg
X254	X254U	ctagcggttcctcaccattcggttac
	X254L	catggtaaccgaatggtgaggaaccg
X255	X255U	ctagcagagtcaatgtcggttggtc
	X255L	catggagccaaccgacattgactctg

Name Algomer

O0 tcgaggatatccgggcttcgggtgaccgggatcttaaga
cctataggcccggaagcccactggccctagaattcttcga

O1 tcgaggatatcccttggcggtgaggcgcgatcttaaga
cctatagggaaccgccactccgccgctagaattcttcga

O2 tcgaggatatctgtgggctacggggcgcgatcttaaga
cctatagacacccgatgccccggcgctagaattcttcga

O3 tcgaggatatctaggtggctgcgcggggcgatcttaaga
cctatagatccaccgacgcgccccgctagaattcttcga

S0 ttaagcgaagtggcctggcgggcgctagcg
cgcttcaccggaccgcccgcgatcgcttaa

S1 ttaagaacccgagccccggacgggctagcg
cttgggctcggggcctgcccgatcgcttaa

S2 ttaagcgcaccaggcagagcgcggtagcg
cgcggtggtcggtctcgcgcgcatcgcttaa

S3 ttaagtcctcgtggtcggcgggcgctagcg
caggagcaccagccccgcgcgatcgcttaa

E0 gatcccatggaatcccttggcggtgaggcgcgatctct
gggtaccttagggaaccgccactccgccgctatagagatc

E1 gatcccatggaatctgtgggctacggggcgcgatctct
gggtaccttagacacccgatgccccggcgctatagagatc

E2 gatcccatggaatctaggtggctgcgcggggcgatctct
gggtaccttagatccaccgacgcgccccgctatagagatc

E3 gatcccatggaatccgcaagccccaaggccccgatctct
gggtaccttaggcgttcgggggtccggggctatagagatc

X0 ctacggtatgccctgtagtttgagc
gcatacgggacatcaaacctcggtac

X1 ctacggtaaagccaactgtacctgc
gcatttcggttgacatgggacgggtac

X2 ctacgagactaagggtgttggtcgc
gctctgattccaacaaccagcggtac

X3 ctacggttccttcaagtcactcgtcc
gcaaggaagttcagtgagcagggtac

X4 ctacccctgccacagtagaataagc
gggacgggtgtcatcttattcggtac

X5 ctacggaatcaagactcgtgctaccc
gcttagttctgagcacgatgggggtac

X6 ctacgcatgacagttagacgcttccc
gctactgtcaatctgcgaaggggtac

X7 ctacctcctgaacctaaagtcacgc
ggaggacttggttcagtagcggtac

X8 ctagcccaaagttacagacctcagcc
gggtttcaatgtctggagtcgggtac

X9 ctagcgacctatgcaatctactcgcc
 gctggatacgttagatgagcgggtac
X10 ctagccagtagtaatcttccgcaggc
 ggtcatcattagaaggcggtccggtac
X11 ctagcctggttggtgggtactcctaac
 ggacaaccacccatgaggattggtac
X12 ctagcaacgaggtggtacgacatagc
 gttgctccaccatgctgtatcggtac
X13 ctagccgcagtcattatagagagccc
 ggcgtcagtaatatctctcgggggtac
X14 ctagcgtacttgctccctccagcatab
 gcatgaacagggaggtcgtatggtac
X15 ctagcatcctgtgtgcctaagtacgc
 gtaggacacacggattcatgcggtac
X16 ctagcgaggcacttgacgtatgactc
 gctccgtgaactgcatactgaggtac
X17 ctagcgggatacctttctaagcgacc
 gccctatggaaagattcgctgggtac
X18 ctagcggataggtcgcagtcctgtac
 gcctatccagcgtcagaacatggtac
X19 ctagcgtacagtgcgaagagggtaac
 gcatgtcacgcttctccattggtac
X20 ctagcgcctccgacacagttactaac
 gcggaggctgtgtcaatgattggtac
X21 ctagcgtgggtctggaacactattgc
 gcacccagaccttggtgataacggtac
X22 ctagcaactcctcactgttcactgcc
 gttgaggagtgcgaagtgcgggtac
X23 ctagccgtatggtatatcgtcagccc
 ggcataccatatagcagtcgggggtac
X24 ctagcgcacagaccaaggacattacc
 gcgtgtctggttcctgtaatgggtac
X25 ctagcctcccactaaacggtcctatc
 ggaggggtgatttgccaggataggtac
X26 ctagccacggaccgagtatctattgc
 ggtgcctggctcatagataacggtac
X27 ctagcgtctgatgagcgcagttagtc
 gcagactactcgcgtcaatcagggtac
X28 ctagcgagaatgcggtgatagtgacc
 gctcttacgccactatcactgggtac
X29 ctagcctacactaaccgacggaatgc
 ggatgtgattggctgccttacggtac
X30 ctagcaagtccttggttacgagtcccc
 gttcaggaacaatgctcaggggggtac

16

X31 ctagcacctgaagttacgggaagtcc
gtggacttcaatgcccttcagggtac
X32 ctagcaacagggttccttacagagggc
gttgtccaaggaatgtctcccgggtac
X33 ctagcacgtagccaagacttatcccc
gtgcatcgggttctgaataggggtac
X34 ctagccagtcagggtctattgttgccc
ggtcagtcagataacaacgggggtac
X35 ctagcgagaaccatattgcccctacc
gctcttggtataacggggatgggtac
X36 ctagccataaagaggagactgggctc
ggatatttctcctctgacccgaggtac
X37 ctagccatagtctgcgaatactgccc
ggatcagacgcttatgacgggggtac
X38 ctagcgttagggcagccttaggtaac
gcaatcccgtcggaatccattgggtac
X39 ctagcatagatgtgacagtgggacgc
gtatctacactgtcacccctgcgggtac
X40 ctagcgattagagttgtagggcgctc
gctaactctcaacatcccgcgaggtac
X41 ctagctggaagtacgtgtgggatagc
gaccttcatgcacaccctatcggtac
X42 ctagctgagatagtcgtggatgggtcc
gactctatcagcacctaccagggtac
X43 ctagcacgacctgttaccgttacctc
gtgctggacaatggcaatggaggtac
X44 ctagccattgctggaactgctactcc
ggtaacgaccttgacgatgaggggtac
X45 ctagcgtaacccacccacataaagtc
gcatgggggtgggtgtatttcagggtac
X46 ctagcagtgtaggaatacccggtgctc
gtcacatccttatgggcacgaggtac
X47 ctagccgttcgctatgttctacagcc
ggcaagcgatacaagatgtcgggtac
X48 ctagcccctgtcccatacattactc
ggggacaggggtatgtaatgaggtac
X49 ctagcatgtaggcaactgtcgtcacc
gtacatccgttgacagcagtgagggtac
X50 ctagcgtatgttcccagcgagtacac
gcatacaagggtcgctcatgtgggtac
X51 ctagcgtgtaataccacgggtgttgcc
gcacattatgggtgccacaacgggtac
X52 ctagctgtagtggtctttacgtggcc
gacatcaccagaaatgcaccgggtac

X53 ctagcggtcaggtgctcatccagttac
gcagtcacgagtaggtcaatgggtac
X54 ctagcctccacaaacatacccacacc
ggaggtgtttgtatgggtgtgggtac
X55 ctagctgaggtgtcaatgagagaggc
gactccacagttactctctccggtac
X56 ctagctcactcctctacgatgaacgc
gagtgaggagatgctacttgccggtac
X57 ctagctcgtagtgagatgttcctgcc
gagcatgactctacaaggacgggtac
X58 ctagctgactctggacttatgacgcc
gactgagacctgaatactgcgggtac
X59 ctagcagattacggagtggttcccc
gtctaatacctcacacaaggggggtac
X60 ctagccttaccactgttgacagaggac
ggaatgggtgacaacgtctcctgggtac
X61 ctagcccggttatccgtactggaagtc
gggcaataggcatgaccttcaggtac
X62 ctagcggtttgggtatcggtgtactc
gcaaaccatagccgacatgaggtac
X63 ctagcgaggatgaacacaaggaggtc
gtcctacttggtgttcctccaggtac
X64 ctagccatagcggatagggttacgtc
ggtatcgctatcccaatgcaggtac
X65 ctagctctcatatccctaacctggcc
gagagtatagggttgaccgggtac
X66 ctagcggtattgtctcgatgcacc
gccataacagagcagtagctgggtac
X67 ctagcatcacctacctgagattgccc
gtagtggatggactctaacgggggtac
X68 ctagcgactggggtctgttgtttctc
gctgaccccagacaacaagaggtac
X69 ctagcaggggtcgaggttagagaatc
gtccccagcctcaatctcttaggtac
X70 ctagcaccgaaggatgttgagtctcc
gtggcttctcacaactcagaggggtac
X71 ctagcggtgatgactcggaacttctc
gccactactgagccttgaagaggtac
X72 ctagcgggtacacaaatggaaggtcc
gcccattgtttaccttccaggggtac
X73 ctagcatcatctcggtctacttcgc
gtagtagagcccagatgaagcggtac
X74 ctagcaatcagtagacatcgccctcc
gttagtcatctgtagcgggaggggtac

X75 ctagccacggaagtctattcacacgc
ggtgccttcagataagtgtgcggtac
X76 ctagcaggggctgttacatgaagagc
gtccccgacaatgtacttctcggtac
X77 ctagccgtgacctgctgtgatttacc
ggcactggacgacactaaatgggtac
X78 ctagcatagtcttagtccggcatcgc
gtatcagaatcaggccgtagcggtac
X79 ctagcatcactacctgcctattcgcc
gtagtgatggacggataagcgggtac
X80 ctagcttaccttgtctaaccctcgcc
gaatggaacagattgggagcgggtac
X81 ctagctcttaatccctctggctgacc
gagaattaggagaccgactgggtac
X82 ctagcagaccatccgagtaccatac
gtctgggtaggctcatggtatggtac
X83 ctagcagactgaaccctcaagatgcc
gtctgacttgggagttctacgggtac
X84 ctagcaggcattctgatactcctcgc
gtccgtaagactatgaggagcggtac
X85 ctagcctgcaagagtcatatcacggc
ggacgttctcagtatagtgccggtac
X86 ctagcgtgggatttcgtctataccgc
gcaccctaaagcagatatggcggtac
X87 ctagccagaccgcctcctaattcttac
ggtctggcgaggattagaatggtac
X88 ctagcatctccttgcttgacctcgc
gtagaggaacgaacatggagcggtac
X89 ctagctgtgcggtatgtagtcctac
gacacgccgatacatcaggatggtac
X90 ctagcagtgtcctaagcaaagacggc
gtcacaggattcgtttctgccggtac
X91 ctagcttcccttctaccctgtaccac
gaagggaagatgggacatggtggtac
X92 ctagcaaggtgtccagtggtcagatc
gttccacaggtcaccagtctaggtag
X93 ctagcatcagcatagggaccacactc
gtagtctgtatccctgggtgtgaggtac
X94 ctagcggacggccaactatcataagc
gcctgccggttgatagtattcggtac
X95 ctagctgaacctctgtgctgtaggac
gacttggagacacgacatcctggtac
X96 ctagctgacttcacctggctgtctac
gactgaagtggaccgacagatggtac

X97 ctagctcctaactctattgccgagcc
gaggattgagataacggctcgggtac
X98 ctagccttatcctacgcgagcagatc
ggaataggatgcgctcgtctaggtac
X99 ctagccgcataagcacatctgtagcc
ggcgtattcgtgtagacatcgggtac
X100 ctagcaacgtagagaacgaagccagc
gttgcattctcttgcttcggtcgggtac
X101 ctagctcacggagtcctgatgtatgc
gagtgcctcaggactacatacgggtac
X102 ctagcatgtatcccgttggtgtaggc
gtacatagggcaaccacatccgggtac
X103 ctagcgctgactattttgacgggtcc
gcggactgataaaactgccaggggtac
X104 ctagcgatagcacttcaaacgtcccc
gctatcgtgaagtttgcaaggggtac
X105 ctagcgaagtgcattcttaccgtccc
gcttcacgtaagaatggcaggggtac
X106 ctagcccttgctcgttctaaactgggc
gggaacagcaagatttgaccgggtac
X107 ctagcgtttaaggagtgttcgtccgc
gcaaattcctcacaagcaggcgggtac
X108 ctagccagagttaaagttgccccacc
ggtctcaatttcaacgggggtgggtac
X109 ctagcgtcagaatcaatctcctggcc
gcagtcttagttagaggaccgggtac
X110 ctagcgtgcttgacctgaatccttcc
gcacgaactggacttaggaagggtac
X111 ctagcaccacccttcttcaccctatc
gtgggtgggaagaagtgggataggtac
X112 ctagccagaaagggcagtcctaagtc
ggtctttcccgtcaggattacgggtac
X113 ctagcaaccactatcgtaacatccgc
gttgggtgatagcatgtaggcgggtac
X114 ctagcgaatacttgggagttgcgagc
gcttatgaaccctcaacgctcgggtac
X115 ctagcggcaataagttcaggctgtcc
gccgttattcaagtccgacaggggtac
X116 ctagcaaggagcagacagtcagtgc
gttccctcgtctgtcagtaacaggtac
X117 ctagccataacacacgggacaacacc
ggtattgtgtgccctgttggtgggtac
X118 ctagccagaaacgaaggtcctaacgc
ggtctttgcttcaggattgcgggtac

X119 ctagcgtgccaaagccttaatagtgcc
gcacgggttcggaattatcacgggtac

X120 ctagccggatgaggatgtatcaggtc
ggcctactcctacatagtccagggtac

X121 ctagccgtggcggttaaactcttaggc
ggcaccgcaatttgagaatccgggtac

X122 ctagcctgctcttgatggataaggcc
ggacgagaactacctattccgggtac

X123 ctagcatcagagtggagagcacgac
gtagtctcacctctcgtgctagggtac

X124 ctagcgcacaggaaatagaagtcgcc
gcgtgtcctttatcttcagcgggtac

X125 ctagccacccgactacagaacaatc
gggtgggctgatgtcttgtaggtac

X126 ctagccgagattaccagttgtggtc
ggctctaattgggtcaaccagggtac

X127 ctagccgagttaatagacgcggaagc
ggctcaattatctgcgccttcgggtac

X128 ctagccgctgcggtttctctattacc
ggcgacgcaaagagataatgggtac

X129 ctagctcagccgtaggtcttcaactc
gagtcggcatccagaagttgaggtac

X130 ctagcttagtggagcctcttcacgtc
gaatcacctcggagaagtgcaggtac

X131 ctagccagagtgtcggccttttaagc
ggtctcacagccggaaaattcgggtac

X132 ctagcctaaaacttgactcgcggacc
ggattttgaactgagcgcctgggtac

X133 ctagcccgctctggtcggataagatac
gggcagaccagcctattctatgggtac

X134 ctāgcagattgggtcacaactccaggc
gtctaaccagtgttgagggtccgggtac

X135 ctagcaccagaagggttgagaaggtc
gtgggtcttccaacctcttccagggtac

X136 ctagccacatcttacaccgtcatcgc
ggtgtagaatgtggcagtagcgggtac

X137 ctagcgcgtcgggacttacaagatac
gcgcagccctgaatgttctatgggtac

X138 ctagcaggatgggtgcaagcatactcc
gtcctaccacgttcgtatgaggggtac

X139 ctagcggacaaaactgctggttcctac
gcctgtttgacgaccaaggatgggtac

X140 ctagcggttgcctcaaactggaggtac
gccaaaggagtttgacctcatgggtac

X141 ctagctttgtaagacaccccagagcc
gaaacattctgtgggtctcgggtac
X142 ctagcccccttgggtcgtagtgctac
ggggaaaccagcaatcacgatggtag
X143 ctagcagagggtgagggatagaaac
gtctcccgactccctatctttggtag
X144 ctagcagttcgtagctttgacacgcc
gtcaagcatggaaactgtgcgggtac
X145 ctagcgatttgtagtgataaccacccc
gctaaacgtcactatggtgggggtac
X146 ctagcgagtgtagaatccggctgaac
gtcacatcttaggccgacttggtac
X147 ctagcgcaagtcggtgttctcttac
gcgttcaggcacaaggagaatggtag
X148 ctagcctttgtacgggtgaaaccc
ggaaacatgccaccactttggggtag
X149 ctagcactttcatgtggagacgctcc
gtgaaagtacacctctgcgagggtag
X150 ctagcaacactaagcggatgtcagcc
gttggtgattgcctacagtcgggtac
X151 ctagcctaactcaactccgcaacgtc
ggattgagttgaggcgttgtaggtac
X152 ctagcaagtagatggaaaggtgccc
gttcatctacctttccacggggtag
X153 ctagcgaaatâcagaggaacgagggtc
gctttatgctccttgctcccaggtac
X154 ctagcgaggctgctaagggaaaaagc
gtccgcgagattccctttttcggtac
X155 ctagcggacggtatttcacacctgc
gcctgcaataaagtgtggagcggtag
X156 ctagcgacacaagagcctaagccaac
gctgtgttctcggattcggttggtac
X157 ctagcgtgtttgtttaccctgccagc
gcacaaacaaatgggacggtcggtag
X158 ctagcactgcgtcctcacaaagaagc
gtgacgcaggagtgtttcttcggtag
X159 ctagcagtcctcgaagtcaaatagcc
gtcaggggcttcagtttatcgggtac
X160 ctagcgatacttcccaatgcagacgc
gctatgaagggttacgtctgcggtag
X161 ctagcggaaactaatgtcatgctgcc
gccttgattacagtacgacggggtag
X162 ctagcgcatgggtgataacgtaagcc
gcgctaccactattgcattcgggtac

X163 ctagcctcctgtacggcaaagtgtcc
ggaggacatgccgtttacaagggtag
X164 ctagcctatTTggaccgcacaagacc
ggataaacctggcgtgttctgggtac
X165 ctagcatccttgtacgggacacgtac
gtaggaaacatcgctgtgcatggtag
X166 ctagcaagtgggaatagggtaggtac
gttcacccttatcccaggcatggtag
X167 ctagcgatagaaccgactgcaatgcc
gctatcttggctgacgttacgggtac
X168 ctagcgcgaatgaagtggactatgcc
gcgcttacttcacctgatacgggtac
X169 ctagccgaacttttagcatccgtgacc
ggcttgaaatcgtaggcactgggtac
X170 ctagcgttagaaatgtctgcggtcgc
gcaatctttacagacgccagcggtag
X171 ctagcgcaccacacgaaagaatctcc
gcgtgggtgtgctttcttagagggtac
X172 ctagctcacactcttggtaggtatc
gagtgtgagaaccagccgataggtag
X173 ctagctcactctggccgaactgtatc
gagtgagaccggcttgacataggtag
X174 ctagctggagaacggtcttgtctgtc
gacctcttgccagaacagacaggtag
X175 ctagcaggtagcgcgtccctaagtgc
gtccatagcgcagggttacaggtag
X176 ctagctggctcactacacgaacatgc
gaccgagtgatgtgcttgtacggtag
X177 ctagcgtaccagtgaatcgggacac
gcatgggtcacttttagccctgtggtag
X178 ctagccgaagaacaacatcagagccc
ggcttcttgtttagtctcggggtag
X179 ctagcgggtccaatcctaaagcaagc
gcccagggttaggatttcgttcggtag
X180 ctagcttgagcagaagaactctcgcc
gaactcgtcttcttgagagcgggtac
X181 ctagcattgccgtgggtgtaactacgc
gtaacggcaccacattgatgcggtag
X182 ctagccgcatacgttctgtgcagtac
ggcgtatgcaagacacgtcatggtag
X183 ctagccagcgatatgggtggtagctatc
ggtagctataaccaccagataggtag
X184 ctagccgtaacaccagagattggac
ggcattgtgggtctctaacctggtag

X185 ctagctccacgataactcacaagggc
gaggtgctattgagtgttcccggtag
X186 ctagctcacttccctggcgtaatgc
gagtgaagggaccagcattacggtag
X187 ctagcgcgttgtcacctaatacggac
gcgcaacagtggattatgcctggtag
X188 ctagcatgttacactcgcacccgacc
gtacaatgtgagcgtaggctgggtac
X189 ctagcatgtagccagtgttggtccc
gtacatcggtcactaacacgggtac
X190 ctagcaagatgcagagtctaccgcac
gttctacgtctcagatggcgtggtag
X191 ctagcagaccgctctatcacaagcac
gtctggcgagatagtgttcgtggtag
X192 ctagcaggagggtccagaatcttcac
gtccctccaggctcttagaagtggtag
X193 ctagcttagaccagcactgcgaagtc
gaatctggctcgtgacgcttcaggtag
X194 ctagcccagggcgtgactatacaaac
gggctccgcactgatatgtttggtag
X195 ctagcgacaacctacaaacgctccac
gctggttggtgtttgcgaggtggtag
X196 ctagccgtcattcgtcagaccagatc
ggcagtaagcagtcctggtctaggtag
X197 ctagcagatgagtgcgatggttgcc
gtctactcactgctaccaacgggtac
X198 ctagcaccacacaccaggaaaagtcc
gtgggtggtggtccttttcagggtac
X199 ctagctgaggcatctttggagtacgc
gactccgtagaaacctcatgcggtag
X200 ctagctgtaatcgtctcaggcaagc
gacattagccagagtccgttcggtag
X201 ctagcctacagtcggattggctcaac
ggatgtcagcctaaccgagttggtag
X202 ctagccttcaaggacctcgtgcatac
ggaagttcctggagcacgtatggtag
X203 ctagcggcaggataaagtgtgacac
gccgtcctatttcacgactgtggtag
X204 ctagcgcctggacggttaaagggttac
gcggacctgccaatccaatggtag
X205 ctagctgtccaagtaccaaagagcgc
gacaggttcatggtttctcgcggtag
X206 ctagctgcacactgggtctaacacac
gacgtgtgaccagattgtgtggtag

X207 ctagcaatctgtcgctgcatagtgc
gttagacagcggacgtatcacggtac
X208 ctagcccccttcgctcttctttcatcc
ggggaagcgagaagaaagtagggtac
X209 ctagcaagatattctcccacgaccgc
gttctataagaggggtgctggcggtac
X210 ctagcggtttctgcactacagccaac
gccaaagacgtgatgtcggttggtac
X211 ctagcaaaggcatcggacatcctacc
gtttccgtagcctgtaggatgggtac
X212 ctagcacgaagtatgcgttgtagacc
gtgcttcatacgcaacactcgggtac
X213 ctagcggacatcggatttgataccc
gcctgtagcctaaccctatggggtac
X214 ctagccggtacttttgcgactctgac
ggccatgaaaacgctgagactggtac
X215 ctagcgttaccgctcaccgaaatctc
gcaatggcgagtggctttagaggtac
X216 ctagcaagaagacgatgtgtgctcgc
gttcttctgctacacacgagcggtac
X217 ctagcggctattcattctcgccctac
gccgataagtaagagcgggatggtac
X218 ctagcaagggaatgtcagttctgccc
gttcccttacagtcaagacggggtac
X219 ctagcggcttgtaggccgttaagac
gccgaacaatccggcaattctggtac
X220 ctagcaaggatagagatgccgttgcc
gttcttatctctacggcaacggggtac
X221 ctagcagcccgacatgacagatacac
gtcgggctgtactgtctatgtggtac
X222 ctagcttgagagactttgctgacgc
gaacctctctgaaacgactgcggtac
X223 ctagctgcgtgtacgggcttatagac
gacgcacatgccgaatatctggtac
X224 ctagctcttattcgtagccgaggcc
gagaataagcaatcggtccgggtac
X225 ctagcagccgaacaggacaaaactcc
gtcggcttgctctgttttgagggtac
X226 ctagccatcattaacttccccctggcc
ggtagtaattgaaggggaccgggtac
X227 ctagcccgaactaaatgtcacagcgc
gggcttgatttacagtgtcgcggtac
X228 ctagcgacgcaatcttaaccaacccc
gctgcgttagaattggttgggggtac

X229 ctagctgtatgcacatcaccgagtgc
gacatacgtgtagtggtcacggtac
X230 ctagccgtctcattctggtcattgcc
ggcagagtaagaccagtaacgggtac
X231 ctagcaggttgggttcccctatcatc
gtccaacccaaggggatagtaggtac
X232 ctagccggttgcttatcaggaatccc
ggccaacgaatagtccttaggggtac
X233 ctagcacggccagtaagtgtccaatc
gtgccggtcattcacaggtaggtac
X234 ctagcacacctgggcgtgaataactc
gtgtggaccgcacttattgaggtac
X235 ctagccttgggctcctgctaaaagac
ggaacccgaggacgattttctggtac
X236 ctagcgcgacctctaagccttgaaac
gcgctggagattcggaactttggtac
X237 ctagccaggtttgggggtacatgatc
ggtccaaacccccatgtactaggtac
X238 ctagctcgttgtctgccctcttggtac
gagcaacagacgggagaacatggtac
X239 ctagcagacctcggttaaccacgaaac
gtctggagccattggtgctttggtac
X240 ctagcagtaaggctcttgggtgccac
gtcattccagaaacccacggtggtac
X241 ctagcagtagccttgtgggaaccaac
gtcatcggaacacccttggttggtac
X242 ctagcgattaacctctcggaatgogc
gctaattggagagccttacgcggtac
X243 ctagcgcgatattgttccctgcttcc
gcgctataacaagggaacgaagggtac
X244 ctagccaaccgtgttagcgaccatac
ggttggcacaatcgctggtatggtac
X245 ctagcgaatgggtggtggaaggatac
gcttaccacccaccttcctatggtac
X246 ctagcaccaagtcgctgtcaactgac
gtggttcagcgacagttgactggtac
X247 ctagccattttcaggaaggagacggc
ggtaaaagtccttcctctgccggtac
X248 ctagctggttggtgactgatacgaacgc
gaccaacctgactatgcttgcggtac
X249 ctagcattcacccaatggtctacggc
gtaagtgggttaccagatgccggtac
X250 ctagcgggtggtaggcatatccgaaac
gccaccatccgtataggctttggtac

26

X251 ctagctgtctgtgaccttgggattgc
gacagacactggaaccctaacggtac
X252 ctagccaagcctcaatgcctaaaggc
ggttcggagttacggatttccggtac
X253 ctagcacttcttacgtcaccgcgatc
gtgaagaatgcagtggcgctaggtac
X254 ctagcgggttcctcaccattcggttac
gccaaggagtggttaagccaatggtac
X255 ctagcagagtcaatgtcggttggctc
gtctcagttacagccaaccgaggtac